## PROJECT DESCRIPTION

#### I. GENERAL

THIS PROJECT INVOLVES CHANGING THE EXISTING NORTHBOUND LEFT TURN PHASE FROM EXCLUSIVE/PERMISSIVE TO EXCLUSIVE AT THE INTERSECTION OF MD 279 (ELKTON RD) AND MD 277 (FLETCHWOOD RD)/STONE GATE BLVD IN CECIL COUNTY. MD 279 RUNS IN A NORTH-SOUTH DIRECTION.

#### II. INTERSECTION OPERATION

THIS INTERSECTION IS TO OPERATE WITH SIX NEMA PHASES; LEFT TURN MOVEMENTS FROM MD 279, NORTH—SOUTH MOVEMENTS ALONG MD 279 AND EAST—WEST MOVEMENTS ALONG MD 277/STONE GATE BLVD.

#### III. CONSTRUCTION NOTES

- 1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE UTILIZED EXCEPT WHERE
- 2. THE CONTRACTOR SHALL REMOVE THE EXISTING R10—12 SIGN AND FIVE—SECTION SIGNAL HEAD FOR NORTHBOUND MD 279.

# EQUIPMENT LIST

#### A. MATERIALS TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
8004/8070	1 EA	8' BREAKAWAY PEDESTAL POLE AND BASE AND 4 1 1/2" X 60" ANCHOR BARS
8013	1 EA	12" ONE—WAY, THREE—SECTION (R,Y,G) TRAFFIC SIGNAL HEAD WITH ADJUSTABLE RIGID MOUNTING BRACKET AND TUNNEL VISORS MAST ARM MOUNT (SIGNALS NO. 5)
8013	1 EA	12" ONE—WAY, THREE—SECTION (RA,YA,GA) SIGNAL HEAD WITH ADJUSTABLE RIGID MOUNTING BRACKET AND TUNNEL VISORS MAST ARM MOUNT (SIGNAL NO. 4)
8013	1 EA	12" ONE—WAY, THREE—SECTION (RA,YA,GA) SIGNAL HEAD WITH TUNNEL VISORS FOR POST TOP MOUNTING (SIGNALS NO. 3)
8069	85 SF	D3-2 SIGN 32" X VARIABLE MAST ARM MOUNT

# EQUIPMENT LIST

# B. MATERIALS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR

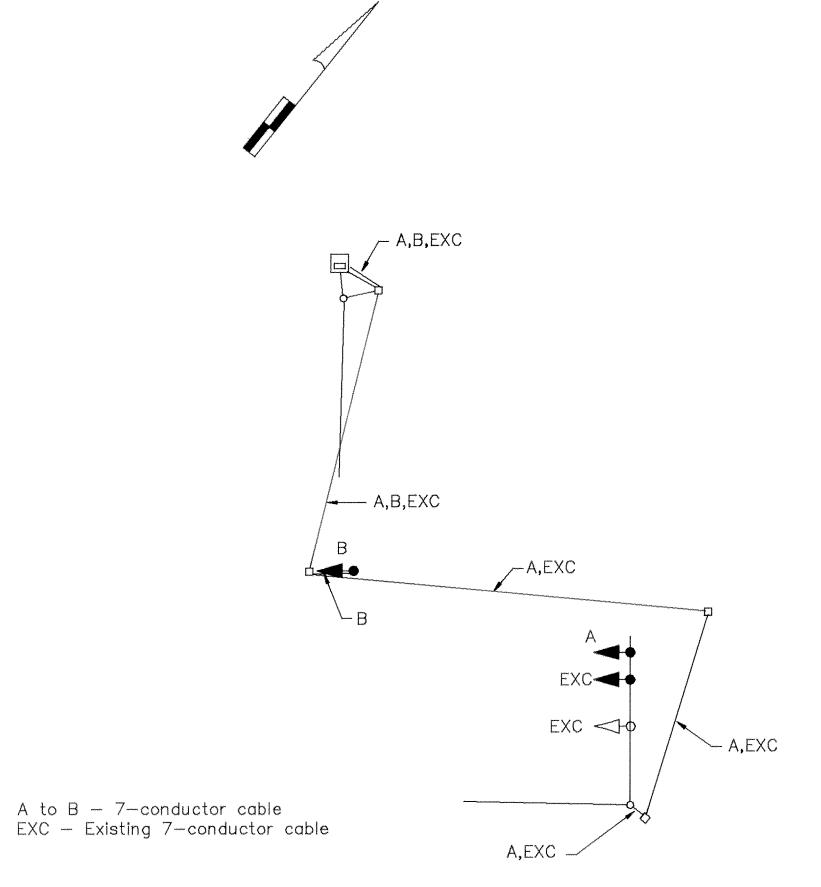
ITEM NO.	QUANTITY	DESCRIPTION
2001	1 CY	TEST PIT EXCAVATION
8001	1 CY	CONCRETE FOUNDATION
8015	1 EA	RELOCATE EXISTING SIGNAL HEAD
8031	20 LF	2" SCHEDULE 40 P.V.C. CONDUIT - TRENCHED
8048	1 EA	GROUND ROD
8049	1 EA	CONNECTOR KIT TYPE 1
8050	1 EA	CONNECTOR KIT TYPE 2
8059	589 LF	7-CONDUCTOR CABLE (NO. 14 A.W.G.)
8063	20 LF	NO. 6 STRANDED BARE COPPER GROUND WIRE

												WA N NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
1	2	3	4	5	6	7	8	9	10	11	12	3	MD.			
(R)	$\widehat{R}$	(R)	<b>(</b> R−)	(R) (	(R)	R	(R)	(R)	R	(R)	(R)					

PHASE 1 & 5	<b>∢</b> G -	R	<b>∢</b> G -	<b>∢</b> .g –	R	R	R	R	R	R	R	R	I AL
1 & 5 CHANGE				OR I	PHASE	1 & 6	OR P	HASE	2 <b>&amp;</b> 5				
PHASE 2 & 6	G	G	<b>∢</b> R -	<b>4</b> R −	G	G	R	R	R	R	R	R	
2 & 6 CHANGE	Y	Y	<b>∢</b> R −	<b>4</b> R−	Υ	Υ	R	R	R	R	R	R	
PHASE 4 & 8	R	R	<b>∢</b> R-	<b>∢</b> R-	R	R	G	G	G	G	G	G	<b> </b>
4 & 8 CHANGE	R	R	<b>∢</b> R -	<b>∢</b> R -	R	R	Υ	Υ	Υ	Υ	Υ	Υ	<b>†</b>
FLASHING		EI /Y	E1 /D	FL/R	FI /Y	EI /Y	EI /P	FI /P	EI /D	EI /D	EI /P	EI /P	
OPERATION		' -/ '	LL/K	Lr/K	' -/ '	1 - / 1	1 1 1 / 1	' -/ '\	II L/K	Lr-/I	L/K	L/N	-

MD 279

MD 277/
STONE GATE BLVD



REVISIONS	APPROVALS	MDOT - STATE HIGHWAY ADMINISTRATION									
	CHIEF, SIGNAL DESIGN SECTION	Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION									
	ASST. DISTRICT ENGINEER, TRAFFIC	DRAWN BY: BRUCE THOMPSON  DES. BY:	MD 279 and 1	MD 277/STONE	GATE RD						
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	CHK. BY:		COUNT	Y: CECIL						
		DATE: 11/95 F.A.P. N	0.	TS/STD. NO.	SHEET NO.						
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	SCALE: S.H.A. N	O	1541E1	OF						